

ANNEXURE -1

NOTES TO BIDDERS:

1. Prototype pump model/ model series shall not be considered.
2. It is mandatory that all references furnished for pump model/ model series should have similar parameters.

DESCRIPTION OF MODEL DESIGNATION:

SL. NO.	PARAMETER	INFORMATION ON PROPOSED MODEL	INFORMATION ON REFERRED EXISTING INSTALLATIONS			REMARKS
			Ref.- 1	Ref.-2	Ref.-3	
1.	2.	3.	4.	5.	6.	7.
1	GENERAL					
1.1	Make / Model Number					
1.2	Number of units supplied					
1.3	Type of driver / Driver rated kW / Speed(rpm)					
1.4	Drive (Fixed Speed / Variable Speed / Variable Frequency)					
1.5	Shop where pump is designed, manufactured, packaged, tested & supplied with address					
2	OPERATING CONDITIONS					
2.1	Fluid handled / Fluid temperature (Min / Max) Deg C					
2.2	Capacity (m ³ /hr) / Differential Head Rated (m)					
2.3	Maximum Suction pressure (kg/cm ² ,a)					
2.4	Differential Pressure, Rated (kg/cm ²)					
2.5	NPSHR (m)					
2.6	Efficiency (%) / BkW (kW) / Rated Speed (rpm)					
2.7	Minimum Continuous Stable Flow, (m ³ /hr)					
2.8	MAWP outer casing (kg/cm ² G) @ 15°C / @ pumping temperature					
3	CONSTRUCTION					

Place:
Date:

[Signature of Authorized Signatory]*

Name:
Designation:
Seal:

*: To be authenticated in-line with provisions indicated in the Commercial section.

[To be submitted in original, along with bid]

3.1	No. of stages / API Pump Type					
3.2	Casing split - Outer casing (Axial / Radial)					
3.3	Casing split - Inner casing (Axial / Radial)					
3.4	First Impeller Type (Single flow / Double flow)					
3.5	Impeller diameter - Rated/ Maximum / Minimum (mm)					
3.6	Impeller mounting (Inline / Back to back)					
3.7	Balancing Device used (Balance drum / Balance disc / Others)					
3.8	Type of Radial Bearings (Antifriction / Sleeve / Tilting Pad / Others)					
3.9	Type of Thrust Bearings (Taper land / Tilting Pad / Others)					
3.10	Span between bearings (mm) / Shaft diameter under: Seals / Bearings (mm)					
3.11	Shaft Sleeve provided between impeller (interstage bushings) - Yes / No					
3.12	Whether the proposed model and reference models have identical hydraulic design (for impeller / diffuser / volute)					
3.13	Type of lubrication (Pressurised / Splash / Ring / Oil mist / Grease)					
3.14	Lubrication system (API-610 / API-614 / Manufacturer Standard)					
3.15	Type of mechanical seal (Single / Double) / API Sealing Plan No.					
4	MATERIAL OF CONSTRUCTION					
4.1	Outer Casing / Inner Casing / Impellers / Shaft					
5	OTHER INFORMATION ON INSTALLATIONS					
5.1	Date of supply and commissioning					
5.2	Whether one year of successful field operation completed after commissioning as on bid due date					
5.3	Purchaser's Name, Address, Contact No. & email ID					

Place:
Date:

[Signature of Authorized Signatory]*

Name:
Designation:
Seal:

*: To be authenticated in-line with provisions indicated in the Commercial section.

[To be submitted in original, along with bid]